

but is to be limited only by the scope of the attached claim or claims, including the full range of equivalency to which each element thereof is entitled.--

**IN THE CLAIMS:**

1. (Amended) A method for the production of a pseudo stable reference control for the reliable generation of composite video signals from a broadcast data receiver [(BDR), said BDR] receiving video, audio and/or auxiliary data from a broadcaster, said [BDR] broadcast data receiver having storage means in which to store data [and characterised in that], said method includes the steps of:

said [BDR] broadcast data receiver producing a pseudo stable reference by extracting/deriving [one or more values] at least one value from frequency information embedded in incoming broadcast data; and

using said pseudo stable reference to control the frequency of a [VCXO] voltage controlled crystal oscillator in [the BDR] said broadcast data receiver, thereby allowing accurate [colour] color sub-carrier frequency generation for the generation of a video output via [the BDR] said broadcast data receiver, or a [VCR] videocassette recorder communicating with said [BDR] broadcast data receiver.

2. (Amended) A method according to claim 1 [characterised in that the] wherein said derived pseudo stable reference is stored in said storage means and updated at pre-determined time intervals.

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9. (Amended) A method according to claim 5 [characterised in that the] wherein said average stable frequency reference values include the mean or median average readings thereof.

10. (Amended) A method according to claim 6 [characterised in that the] wherein said pseudo stable reference is the average of the current [PWM] pulse width modulated value, the most recent [PWM] pulse width modulated value stored in memory in [the BDR] said broadcast data receiver and the oldest [PWM] pulse width modulated value stored in memory in [the BDR] said broadcast data receiver.

11. (Amended) A method according to claim 1 [characterised in that] wherein timer means are provided in [the BDR] said broadcast data receiver to allow a pre-determined time period to pass before the micro-processing means extracts/records said [one or more values] at least one value from said incoming data stream.

12. (Amended) A method according to claim 11 [characterised in that the] wherein said timer means is a real time clock embedded in the incoming data.

13. (Amended) A method according to claim 11 [characterised in that the] wherein said timer means is information derived from [DVB] digital video broadcast service information.

14. (Amended) A method according to claim 1 [characterised in that said one or more values are] wherein said at least one value is derived by locking the frequency of [the VCXO] said voltage controlled crystal oscillator in [the BDR] said broadcast data receiver to an off air data

stream and using the frequency information embedded in said off air data stream as [the] said pseudo stable reference to control the frequency of [the VCXO] said voltage controlled crystal oscillator.

15. (Amended) A method according to claim 14 [characterised in that] wherein if there is a choice of digital or analogue broadcast signals from which [the one or more values can] said at least one value may be derived therefrom, [the BDR] said broadcast data receiver derives said [one or more values] at least one value from an analogue data signal.

16. (Amended) A method according to claim 14 [characterised in that] wherein locking of the frequency of [the VCXO] said voltage controlled crystal oscillator within [the BDR] said broadcast data receiver to an off air data stream is undertaken during or at the same time as playback of data stored in [the BDR] said broadcast data receiver and/or [VCR] videocassette recorder.

17. (Amended) A method according to claim 14 [characterised in that the BDR] wherein said broadcast data receiver records and stores [one or more] at least one extracted stable frequency reference value[s] from the off air data stream at pre-determined time intervals, so that if locking of [the BDR] said broadcast data receiver to the off air data stream is lost during playback of stored data from [the BDR] said broadcast data receiver and/or [VCR] videocassette recorder, [the BDR] said broadcast data receiver uses the last recorded stable frequency reference value to continue playback of the stored data.

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18. (Amended) A method according to claim 17 [characterised in that] wherein once locking of [the BDR] said broadcast data receiver to the off air data stream is resumed, the last recorded stable frequency reference value is discarded and the stable frequency value taken from the off air data stream is used.

19. (Amended) A method according to claim 14 [characterised in that the BDR] wherein said broadcast data receiver is provided with means to watch and record different television channels simultaneously and when [the BDR] said broadcast data receiver is recording data from [one or more] at least one channel[s, the BDR] said broadcast data receiver switches the front end of the record channel[(s)] off, extracts the stable reference value[(s)] from the data stream of the channel being watched and uses the stable reference value to lock the watch and record channels together.

20. (Amended) A method according to claim 19 [characterised in that] wherein one of the watch and the record channels is an analogue channel, and the stable frequency value from this channel is used to lock the watch and record channels together.

21. (Amended) A method according to claim 19 [characterised in that the] wherein said record channel(s) include[(s)] any or any combination] at least one from the group consisting of a channel from which data is being recorded onto a [VCR or BDR] videocassette recorder or broadcast data receiver, a channel being used to play back video data from [the BDR] said broadcast data receiver, or a recording mode in which digital data is being copied from [the BDR] said broadcast data receiver onto a [VCR] videocassette recorder.

22. (Amended) A broadcast data receiver, said [BDR] broadcast data receiver comprising:  
means for receiving video, audio and/or auxiliary data from a broadcaster[,]; [said BDR  
having]

storage means in which to store data ;[and characterised in that the BDR is provided with]  
means for producing a pseudo stable reference by deriving/extracting [one or more  
values] at least one value from frequency information embedded in incoming data[,]; and  
said pseudo stable reference [is] being used to control the frequency of a [VCXO] voltage  
controlled crystal oscillator in the [BDR] broadcast data receiver, thereby allowing the generation  
of an accurate sub-[colour] color frequency for the playback of stored data from [the BDR] said  
broadcast data receiver and/or a [VCR] videocassette recorder.

23. (Amended) A broadcast data receiver according to claim 22 [characterised in that]  
wherein said pseudo stable reference is used when [the BDR and/or VCR] at least one of said  
broadcast data receiver and videocassette recorder is deriving video data from said storage  
means.

24. (Amended) A broadcast data receiver according to claim 22 [characterised in that the one  
or more values are] wherein said at least one value is an average value[s] of stable frequency  
information embedded in incoming data.

25. (Amended) A broadcast data receiver according to claim 22 [characterised in that the one  
or more values are] wherein said at least one value is provided by locking the reference from [the  
VCXO] said voltage controlled crystal oscillator within [the BDR] said broadcast data receiver